

## ABSTRACT OF THE DISCLOSURE

An apparatus for selectively heating and cooling (temperature conditioning) a seat on a vehicle, where the seat is exposed to the environment. A thermoelectric device selectively heats and cools a heat exchanger filled with a liquid. The liquid  
5 is forced through a coil in the seat by a pump. The coil transfers heat by conduction through the seat to the seat's occupant. A controller permits selection of the amount of heating or cooling of the liquid. A switch determines the polarity of the voltage applied to the thermoelectric device, which determines whether the liquid is heated or cooled.